



J&R Fire FZCO

AEROSOL

PORTABLE FIRE EXTINGUISHER

PFE SERIES



Aerosol



RINA

SGS



J&R Fire FZCO



PFE Series

Portable Aerosol Fire Extinguisher

Features and Benefits

- Approved by RINA, SGS and CE
- The only type of extinguisher suitable for both Liquid fuel and Electrical Fires
- Compact-Less than 20% size comparison
- Non Hazardous - Human Safe
- Environmentally Safe
- Non Pressurised
- No visual residue mess after use
- No Damage to engines or electronics
- Long life - 7 years no maintenance

Description

PFE Series the world's most versatile and compact fire extinguisher. Unlike conventional portable extinguishers, J&R's Model PFE SERIES main features are lightweight, compact, non-pressurized, environmentally friendly and ease of use.

Ideal for Boats, Kitchens, Engine rooms, Cars, Garages, Workshop, Offices, Fixed Automatic Extinguishing system also available for Engine Rooms, Computer Rooms, Substation and Telecom Application.

Standard References:

Model	Image	Suitability	Remarks Std Ref
PFE-1		- Trash fire - Stove Fire - Cushion Fire - Curtain fire - Car engine fire - Electrical Fire	- KOFIS 0108 - BS 6165 (13B) - UL 711A (all rated kitchen fire) - UL 711 (1B)
PFE-2		- Surface Solid Fire - Liquid Fire - Electrical Fire	- BS 6165 (34B) - UL 711A (all rated kitchen fire)
PFE-3		- BS 6165 (21B) - UL 711A (all rated kitchen fire)	

Standard Manufacturing Safety

1. Safety of Aerosol Forming Compound (AFC)

The safety of AFC containment features greatly in our manufacturing process with various below tests regularly conducted in our Standards Manufacturing Procedures.

- Combustion stability test ($\geq 8s$)
- Impact sensitivity test (GJB772A-97 standard 601.2)
- Friction sensitivity test (GJB772A-97 standard 602.1)
- Stability test (GJB772A-97 standard 501.2)

The PFE SERIES incorporates potassium based compound as the AFC, specially treated and contained to avoid humidity moisture contact which may affect the aging and performance. Aging tests standard operating procedures for up to 5-10 years service life, depending on method / location / ambient temperature of installation.

- Long term storage performance test
- GJB736.8-90 standard (28 days in $71 \pm 2^\circ C$)
- UL711 standard (40 days in $100^\circ C$)

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F101/2 Dubai Silicon Oasis Head Quarters Building P.O. Box 341066
Tel.: +971 (0)4 372 4292
E-mail: info@jrfire.uk.com Web.: www.jrfire.uk.com

DATA SHEET

Note: Specifications are subject to change without notice



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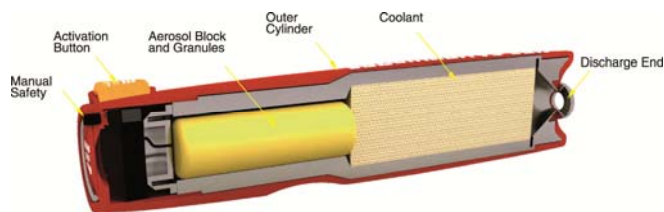
PFE Series

Portable Aerosol Fire Extinguisher

2. Working Principle

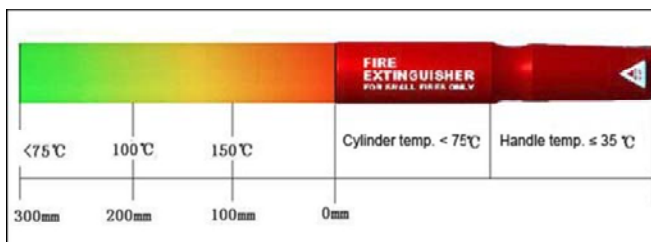
PFE SERIES model adopts double canisters structure able to withstand up to 2,0 Mpa pressure. Silicon rubber acts as pressure absorber and insulation during operation. Special coolant further reduces operation temperatures and filtrations.

Anti-explosion & pressure relief design, pressure released from the discharge end side as further safety feature.



3. Temperature Control

Adopting internal coolant method, the temperature of AFC gas and discharge port is effectively reduced while increasing the fire-fighting capability and temperature within safe limits. Discharged temperature of max 75°C measured at 300 mm from discharged port side and handle at max 35°C during entire operations. Temperature increases significantly only several minutes after complete discharged.



4. Environmental Friendly and Agent Safety

PFE SERIES is a GREEN AGENT PRODUCT, Human Safe, Zero Ozone Depletion Potential, Zero Global Warming Potential. No by-product of agriculture or animal material used.

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Technical Specifications

Model	PFE-1	PFE-2	PFE-3
Discharge Distance	1-3m	1-3m	1-3m
Discharge Time	≥12s	≥12s	≥12s
Length	242mm	236mm	235mm
Diameter	52mm	120mm	60mm
Net Weight	500g ± 10g	1750g ± 20g	810g ± 10g

SERVICE SPECIFIC DATA

- Product Standard Manufacture Warranty: 7 years
- Service Life: *3 to 7 years
(* 3-4 years current stock, 5 years marine/harsh environment, 7 years domestic environment)

Ordering Information:

Part Number	Pack Qty. per Box
PFE-1	24
PFE-2	10
PFE-3	18

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